



Maserol Beizen

Technical Information

- Characteristics:** **Maserol Beizen** are pure chemical stains without any dyes. **Maserol Beizen** comprise 2 stains: for initial and final staining. The first stain consists of tanning agent. The second stain contains metallic salts which are important for the colour reaction. A perfect result can only be achieved by carrying out the following instructions.
- Area of application:** **Maserol Beizen** are applied on coniferous wood used in furniture construction and interior fittings. Woods of high tannin content are suitable only to a limited extent since this natural tannin may cause aberration from colour.
- Substrates:** Dry, clean, resin-free wood; sanded and textured. Sand previously smooth surfaces with grain size 120. Before staining, deresinify absolutely resinous woods such as e.g. pine or larch with **Waschlöser Nr. 52**.
- Processing:**
- Preliminary staining:
The required quantity of **Maserol Vorbeize** which is delivered in powder form is to be dissolved in hot water. The quantity of this stain depends on the desired shade and is expressed in gram per litre. After the stain is cooled to room temperature start the application. Alternatively, the prescribed quantity of powder can be dissolved in half of hot water and after its dissolution fill up with cold water.
- Final staining:
Both the first and second stain has to be applied uniformly wet on the wood surface. In order to avoid significant colour differences when staining textured rippled wood or construction elements with a lot of grain-cut wood we recommend applying the stain by spraying (gravity spray gun, spraying pressure 1.5-2.5 bar nozzle size 1.3-1.5 mm). **Maserol Nachbeize** is applied approx. 5 hours after the application of first stain.
- Maserol Nachbeize CR, Maserol Nachbeize CK:
Before applying the second stain mix **Maserol Nachbeize CR** or **CK** with **Maserol Nachbeize Lösung 2** in a mixing ratio of 1:4. Apply this mixture uniformly on the wood according to the above mentioned recommendations. After the solution has been soaked by the wood (minimum 15 minutes) apply a thin layer of **Maserol Nachbeize Lösung 3**.
- Maserol Nachbeize HC, Maserol Nachbeize M:
Apply **Maserol Nachbeize HZ** or **Maserol Nachbeize M** uniformly according to the above mentioned recommendations.
- After the chemical reaction of first and second stain has finished remove the salt from the stained surface. In doing so, use a brush with leather inserts fine steel wool, Scotch-Brite or brushing machines.
- Dilution:** **Maserol Beizen** are ready for use and won't be diluted. If a colour is too dark when doing the test application just reduce the concentration of the first stain.
- Spreading rate:** Applied quantity: Approx. 80 ml/m² of every stain.
Approx. 12 m² /l per layer (depending on the absorptivity of wood and the application method).

Please turn over!

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- Drying time:** After the application of **Maserol Nachbeize** allow a drying time of at least 18 hours (20°C/65% rel. air humidity). Only after this time the chemical reaction between the two stains is completed.
- Primer and topcoat:** Surfaces that have been treated with **Maserol Beizen** need to be recoated. Please consider that the colour of the stained surface may change depending on the recoating material e.g. solvent-based or water-based paints. Depending on the stain colour and the timber in use we recommend using anti-fading paint e.g. **DuoCryl Top**, **DuoCryl Expert** or **RoCryl HS** to retard colour changes due to exposure to light. The choice of finishing paint depends on the intended use and on requested resistance of the surface.
- Cleaning of tools:** Clean tools immediately with water after use.
- Storage:** If diluted or mixed **Maserol Vorbeize and Nachbeize** can't be stored. Mix only the quantity of stain which can be consumed within a working day.
When using old solutions of initial stain one must reckon with colour deviation.
Maserol Beizen in delivery form can be stored for at least 1 year. Keep it in a cool and dry store. Close tightly already opened container.
- Special remarks:**
- Due to chemical and photochemical reaction the final shade emerges only days later whereas the intense hue appearing after 48 hours becomes more bright and restrained. It's quite impossible to imitate the colour of an already existing old piece on a workpiece that has been treated subsequently.
 - Before applying the stain, it is absolutely necessary to do a test application on the wood which is going to be used. Wood is a natural product and can react differently depending on the wood ingredients and its growing region and can show chromatic deviation.
 - In any case keep the stained sample.
 - In case of larger application ensure to use stain of one batch. If the quantity is not sufficient the stain material of different batches must be mixed up before use. In case of a new container a test staining has to be done again.
 - Due to exposure to sunlight, the colour of the wood and the stain may change in the course of time.
- Please consider:** The product and the recommendations in this technical data sheet correspond to today's state of the art. Our oral and written application recommendations, that are based on years of experience and provided to the best of knowledge, are non-committal and do not establish a contractual relationship and secondary obligation of the sales contract. They do not release the user from his obligation to verify on his own responsibility the existing substrate and the suitability of our products for the intended purpose. In case of doubt, suitability and spreading rate are to be tested by creating a sample. If our products are combined or intermixed with third-party products we cannot guarantee a perfect surface finish. Our general terms and conditions apply.

This technical data sheet replaces all previous versions.

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